

FOLIO

University of Alberta

18 June 1987

Increased Enrolment Puts University in Dilemma

On 4 June, J. Peter Meekison, Vice-President (Academic), delivered the following Report to Convocation. Eminent Chancellor, Chairman of the Board, Mr. President, honoured guests, members of the graduating class, ladies and gentlemen:

For the past two years I have reported to Convocation on the planning activities under way at the University of Alberta. I would like to devote this Convocation Report to the past year's activities in this area. To begin with, let me trace the background to our planning activities and outline for you a series of recommendations which I intend to present to the University's governing bodies in the days and weeks ahead.

"In developing a comprehensive plan, one should first develop one's principles."

In the fall of 1983, the University embarked upon a major and ambitious planning project which, by its very nature, necessitated charting a new course for the University of Alberta. Nobody could predict at the outset what recommendations would be forthcoming or the economic



Chancellor Tevie Miller awards an honorary degree to Jean Chrétien. Nine other individuals were accorded similar treatment at Spring Convocation.

climate in which the recommendations would be 35 debated. In developing a comprehensive plan one should first develop one's principles, then debate them on their merits, thus ensuring that people focus on the important questions—those of policy. Only following that initial step, should there be developed a plan for action.

The four planning groups established in the fall of 1983 each produced a report; one on university capabilities and capacities, one on computing, another on graduate studies, and finally, one on program initiatives. Elements of these four reports were combined into a major planning document entitled *The Next Decade and Beyond: a Plan for the Future*. This document was published in the spring of 1986 and given wide circulation throughout the University and across the province, and included public hearings in a variety of centres. In other words, input and reaction was sought not only from individuals and organizations within the University,

but also from those interested in the important issue of post-secondary education.

In general, the response to the planning document was very positive. To be sure, not everybody agreed with all the recommendations or priorities which were outlined. Nevertheless, most readers welcomed the opportunity to provide comments and input into the planning process at the University of Alberta.

It has been pointed out that the document itself was not a plan. Indeed, the document did not purport to be anything other than the first step in development of a comprehensive plan for the University of Alberta. In other words, before a plan for action could or should be prepared, it was felt by the University administration that it would be most appropriate to develop a series of policy guidelines, receive reaction to these guidelines, and then, having received them, propose a series of concrete policy recommendations. Over the last year my office has prepared 13

Summer Publishing Scheduled

Folio will not be published on 25 June and during July and August, *Folio* will publish every other week.

The dates of publication are: 2, 16 and 30 July and 13 and 27 August.

Deadlines—9 a.m. three weeks in advance of desired publication date for "Talks"; 3 p.m. one week in advance of desired publication date for classified and display advertisements—will not change.

Folio will revert to the weekly publishing schedule on 3 September. □

Meech Lake Accord Subject of Public Forum

A public forum on the Meech Lake accord will take place tonight (18 June) in TL-B1 Henry Marshall Tory Building.

Starting time is 6:30 p.m.

Guest speakers include David Elton, President, Canada West Foundation; F. C. Engelmann, Professor Emeritus of Political Science; D.J. Hall, Chairman, Department of History; and Doris Ronneneerg, President, Native Council of Canada (Alberta).

Allan Tupper, Chairman, Department of Political Science, will act as moderator.

Following the speakers' presentations, there will be opportunity for questions and comments from the floor. □

policy papers which will be released over the next few weeks. The papers are entitled:

- 1) Overview.
- 2) Balance and Size.
- 3) Graduate Programs.
- 4) Undergraduate Programs.
- 5) Student Access.
- 6) Student Life.
- 7) Relations with other Post-Secondary Institutions.
- 8) The Discovery and Dissemination of Knowledge.
- 9) Relationships with Government Agencies and the Private Sector.
- 10) Information Systems and Technology.
- 11) International Aspects.
- 12) The University as Employer.
- 13) Physical Facilities and Material Resources.

Each of these papers is short. Collectively, they contain a series of policy recommendations. In some instances, specific recommendations are proposed; in others, further study and analysis is suggested. I should hasten to add

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- Swine Research Centre opens
- 'Currents'



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Increased Enrolment

that in the latter case, the additional analysis is thought necessary either as a direct result of reaction to the preliminary proposals or because insufficient information was available at the time they were presented. Each of the papers can be debated and accepted, modified, or rejected, on the basis of its content. Each is important and each touches on issues of significance to both the University and the broader community which it serves.

"Two questions kept coming to the fore. First, how large should the University of Alberta be? Secondly, what is the appropriate mix of students on the campus?"

In reviewing the planning documents and responses to *The Next Decade and Beyond*, two

questions kept coming to the fore. First, how large should the University of Alberta be? Secondly, what is the appropriate mix of students on the campus? Last year when I gave my Report to Convocation, I gave my own view stating that I believed the University had already exceeded a manageable size. Since then, our enrolment has grown even more. On 1 January 1987, our enrolment stood at 29,078. Of these 24,639 were full-time students and the other 4,439 were part-time.

At the beginning of this academic year, I asked the Office of Institutional Research and Planning to forecast enrolment projections over the next four years. They have estimated an annual rate of increase of 1.4 percent full-time students over the period or a total increase of 6.9 percent bringing the full-time enrolment to approximately 26,000 by 1991. They have not calculated the part-time enrolment but, assuming it increases at the same rate, we could have around 31,000 full- and part-time students. This puts us in a dilemma.

One alternative is to say we will admit all students and shoehorn them into already over-crowded classes. The second alternative is to establish a limit on enrolment. In my opinion, the University must reject the former approach because it will lead to a deterioration in the student's learning experience. Our enrolment has increased more than 24 percent over the last five years. Each year we thought we had seen the end to enrolment increases—that enrolments would start to level off and then decline. If the projections which I have mentioned are accurate, the end to growth is not in sight. Therefore, the first approach is no longer a viable alternative. We can no longer admit all students who qualify for admittance.

The academic staff, support staff, Registrar's Office, Student Services, and the Library—every one of them

"The increase can no longer be considered temporary. . ."

have said, yes, we will accept more students to do our share to meet a temporary crisis. The increase can no longer be considered temporary and must be viewed as permanent. If permitted to continue unchecked, it will create intolerable pressures on the University.

The other approach is to establish an upper limit for the University in terms of size. Having determined the over-all size, it would then be necessary to distribute the students amongst the different Faculties in a planned, systematic, and equitable fashion.

What I propose to recommend to the University governing bodies is the following approach to size and balance. Essentially I have two recommendations, one establishing a long-term objective, while the second relates to the short-term.

In my view, the University should agree to a maximum size of 25,000 over the next decade or by 1997 at the latest. That 25,000 student population will consist of both full- and part-time students. The mix of students would be 20,000 undergraduate and 5,000 graduate. The 20,000 undergraduates would be assigned amongst the teaching Faculties in a predetermined manner. For example, the Faculties of Arts and Science might each have 20 percent of the undergraduate student population, or put another way, 4,000 students in each Faculty. By

way of comparison, this would reduce enrolments in these two Faculties to where they were about four years ago. The long-term objective for the University would be 25,000 students.

Over the next five years I would recommend that the University's student population be gradually

"We cannot simply close our doors to undergraduates in an arbitrary or unplanned manner."

reduced to 26,000 students, the mix being 22,000 undergraduates and 4,000 graduate students. This intermediate step recognizes that we cannot simply close our doors to undergraduates in an arbitrary or unplanned manner. Any reduction in numbers must be phased. The numbers identified for 1992 reflect in part the long-term objective of changing the ratio of graduate students to undergraduates. It also recognizes that we would be unable to change dramatically the number of graduate students in the short-term without a major infusion of resources into graduate studies. Nevertheless, the targets I have set for the short-term are, to me, realistic and will allow us to fulfill our mandate at the University of Alberta in a reasonable, responsible, and systematic manner.

Once we have established upper limits on size, the obvious question is how this can best be accomplished. Two immediate solutions come to mind. The first is to establish quotas on all our Faculties. The second is to increase the admission standards or entrance requirements to the University. The third is some combination of the two. I intend to recommend that Faculties wishing to establish quotas be encouraged to do so. For example, I have had discussions with the Faculty of Physical Education and Recreation on this matter and plans are fairly well developed to establish—or I should say, re-establish—a quota in that Faculty. Some Faculties may feel that a quota is simply an inappropriate mechanism to limit enrolment because of administrative problems, the difficulty of assigning students amongst departments, the heavy service load, or some other reason. I have in mind here the Faculties of Arts and Science which remain at

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University
of
Alberta

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Display advertisements: 3 p.m. one week in advance of desired publication date. Contact Public Affairs for sizes, rates and other particulars.

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the very core of the University.

Fully half of their teaching is servicing students from other Faculties. In instances where Faculties do not establish a quota,

it will be recommending an increase in the minimum entrance requirement from a high school admission average of 65 percent to 70 percent effective September 1988. If our entrance requirements had been set at 70 percent during this past academic year, our enrolment would have been reduced by approximately 700 students.

Over the next five years under this policy we would limit our intake of first-year students, thereby reducing the over-all size of the University to manageable limits. I have recently discussed these proposals with the Deans and my colleagues in the Administration. The principles of the proposal were endorsed unanimously. We reached our own accord.

*"... I feel
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I appreciate that these are major policy changes and will have a significant effect on our sister institutions in the Province and I would like to return to this matter in a minute. Before doing so, I would like to say why I feel these bold actions are necessary. My remarks to this point have concentrated solely on numbers. The numbers do not tell us about the price we are paying for the burgeoning enrolment we have experienced over the past few years. What is happening at the University is that the very quality of the education we are giving to our graduate and undergraduate students is being eroded. I have already mentioned that people can deal with and accept these large numbers if they are temporary. This is why the University has delayed taking any action to date. We have now concluded that they can not be viewed as temporary. We simply do not have the capacity to deal with ever-increasing numbers of students, particularly in terms of the size of our physical plant and the budgetary situation in which the University currently finds itself. We are faced with large classes, an increased student/teacher ratio, crowded libraries, crowded cafeterias, long line-ups—in other words, pressure on every part of the system. We must ensure that those students

who are admitted, receive the quality education they are entitled to. It would be a travesty to attempt to serve everybody, only to discover that we have served nobody well.

Let me repeat that the foregoing are recommendations that will be discussed in the days and weeks ahead. I thought it important to give notice today, however, so that those interested in or affected by this important question can engage in the debate.

Let me return now to the second series of policy issues—to the question of size. Size relates to accessibility. Many of you know that the University of Alberta is the only university in the Province of Alberta which offers degrees in Agriculture and Forestry, Dentistry, Home Economics, Library Science, Pharmacy and Pharmaceutical Sciences, Rehabilitation Medicine, and a multitude of other specialized undergraduate and graduate programs. In addition, we are the only university to have a bilingual degree program. These programs serve the entire Province and must continue to do so. Moreover, the proposed recommendations will have a direct effect on admission policies in the Faculties of Business and Engineering, and undoubtedly, indirect effects on the Faculties of Law and Medicine.

People from the University who visit the high schools across the province are frequently asked, where should I go? Should I remain in my community and attend the local college for a year or so and transfer later to the University? Or should I go immediately to the University of Alberta? These are questions which individuals must answer for themselves. The decision-making process, however, may be made somewhat easier if they know in advance that transfers between their colleges and the University are possible and encouraged. Let me add a word about students living in Edmonton. They also need an alternative. As a result of the planning document released last year, the University has held further discussions with Grant MacEwan Community College and NAIT to discuss the matter of university transfer courses. Transfer arrangements between Concordia and The King's College and the University of Alberta have been in place for several years. Some of you may have seen the ads placed by Grant MacEwan College advertising university transfer programs for the fall of 1987. For our part, we must continue to work with the public and private colleges to ensure that accessibility to the advanced

education system is not being curtailed by our policy of limiting enrolment. We fully expect that many students who are not able initially to find a place at the University will ultimately transfer to the University to complete their senior years.

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Another matter related to accessibility is the large number of students who seek admission to the University, but not directly from high school. To me a very significant trend is the gradual increase in the average age of our student population. There may be several explanations which can be given to account for this phenomenon but whatever the answer, the trend is clear. The result is a more heterogeneous student body. This heterogeneity contributes greatly to the vitality and quality of life at the University, adding to the over-all educational experience of individual students. We must ensure that Native students have opportunities to attend the University, either in the newly established School of Native Studies or in one of the other degree-granting programs. It is imperative that the University continue already established programs such as the non-matriculated adult and unclassified student categories. In other words, we must continue to provide space to students who seek a university education but who have special needs.

Learning is a life-long experience. Accordingly, we must also continue to recognize that we have a responsibility for continuing education and to develop innovative programs throughout the University which meet this very real need, whether it be in the professions, humanities, social sciences, or sciences. One example which comes to mind is the recently concluded spring session for seniors, the thirteenth such program. Another example is the summer program for high school students. Both programs, developed by the Faculty of Extension, illustrate the belief and commitment that there must be ways for different groups in society to participate in and benefit from university education.

One other major policy recommendation which I wish to

touch on this afternoon is also referred to in the planning document, namely the need for a greater liberal arts education for the students who attend University. Accordingly, I intend to recommend that General Faculties Council establish a committee to review this matter and to report back with recommendations on how this policy can be implemented.

I also intend to recommend the creation of a task force on the quality of student life. To date, our planning activities have not come to grips with this policy area. The Council on Student Services has already undertaken some important initiatives in this area, but more needs to be done. We must ensure that attendance at the University of Alberta is rewarding and fulfilling for our students. In some respects, size can be a disadvantage if it leads to students feeling they are strangers on the campus. I am not suggesting that is the case today, but I want you to be assured that we are doing everything we can in this area.

I recognize that the proposals I intend to recommend will be welcomed by some and criticized by others. The fact of the matter is that these policy changes are essential if we are to preserve the quality of the educational experience at the University of Alberta.

Nor can we lose sight of the fact that the University has, in addition to its teaching mission, the very important responsibility for research. Our dedication to research is what distinguishes universities from other educational institutions. People at the University are committed to the development and expansion of knowledge, its transmission, and its storage. We must permit the academic staff the time to undertake the research so necessary for the betterment and improvement of humanity, whether it be in biotechnology, agriculture, literature, or, for that matter, constitutional reform. To be a great university we must be recognized both for our contributions to research and our commitment to the excellence of the learning experience of our students. We cannot foster a stimulating learning environment without an equally challenging research environment.

Eminent Chancellor, I am excited about our prospects for the future and the challenges ahead. I believe that we have the courage and the ability to set a new course for the University of Alberta. □

Conference on the Family Slated for September

The Vanier Institute of the Family is sponsoring a two-day conference (18 and 19 September) on "Every Family is a Working Family". The conference, to be held in Lister Hall, is also partially funded by the Max Bell Fund with cooperation from the University of Alberta and the Edmonton Social Planning Council.

Margrit Eichler, of the University of Toronto and the Ontario Institute for Studies in Education, will deliver the keynote address. Dr. Eichler is the author of *Families in Canada Today* a book which investigates the changing patterns in household management, income generation, parental and marital roles, and child care systems. Her work in these areas makes her an ideal person to address the central theme of the conference: the relationship between families and work.

Workshops and panel discussions lined for up the conference include: "Boom/Bust Economies - Implications for Families and Social Services"; "Is Family Alive and Well and Living in the 1980s?"; "TV's Guide to Family Life"; "Family Law as if Families Mattered"; and "Housing - Accommodating the Needs of Families".

Among the scholars and experts who will participate in the

conference are: Kenneth Stein, Head, Privatization Branch, Regulatory Affairs, Ottawa; Doris Badir, Equity Advisor, University of Alberta; Carol Matusicky, Executive Director, B.C. Council for the Family; Lawrence Nestman, Director, School of Health Services Administration, Dalhousie University; and Dianne Hall, Senior Vice-President, NOVA, An Alberta Corporation.

Registration for the conference is \$50 (\$25 for students). To register or to obtain further information, contact Anne Mason, Conference Coordinator, The Vanier Institute of the Family, 120 Holland Avenue, 3rd Floor, Ottawa, Ontario, K1Y 0X6, (613) 722-4007. □



Winning Them Over

Carol Nurse of the H.W. Wilson Company shows Faculty of Library Science staff and Associate Vice-President (Information Systems) John Tartar what the Wilsonline Workstation is all about. The workstation, located in 1-15 Rutherford South, features four search modes tailored to different levels of search experience. The Wilson Company, whose head office is in New York, recently donated a workstation to each of the American Library Association accredited library schools in the United States and Canada.

First Grants Released by Government's Endowment and Incentive Fund

The University of Alberta, Grant MacEwan Community College and the Northern Alberta Institute of Technology have been pegged to receive grants totalling \$9,753,058.76.

The grants represent the initial payments under the Advanced Education Endowment and

Incentive Fund announced in the 1986 Speech from the Throne.

The fund provides 2:1 matching dollars for every dollar raised privately by Alberta's public post-secondary institutions to create endowments, and one dollar for each operating and capital dollar donated.

Eighty million dollars in total will be provided over the next eight years, says Advanced Education Minister Dave Russell.

To date, Edmonton-based public post-secondary institutions have raised \$5,426,223.99 for

endowments. When combined with the matching component, this represents an infusion of \$15,179,282.75 to three of Edmonton's key public institutions of higher learning, Mr. Russell states.

On the provincial scene, the government has contributed more than \$21.5 million in matching funds as a result of donations to endowments in the amount of nearly \$14 million. The program's success is reflected in the fact that it has already been oversubscribed this year by about \$20 million. □



Activities

KONTAKT '87, a biennial conference with the theme "German: Acquisition, application, appreciation", was held on campus 22 to 24 May. Guest speakers from the Federal Republic of Germany, the United States, and Canada presented lectures on the various aspects of the teaching of German to the more than 150 teachers at all

levels from across Canada. The conference was organized by the Prairie Council on the Teaching of German whose president is **Manfred Prokop** (Germanic Languages) . . . **C.R. Harington**, the first BSc graduate in Geography from this University, was awarded the prestigious Massey Medal by the Royal Canadian Geographical Society. Governor-General Sauvé made the presentation at Rideau Hall last month. Dr. Harington went on to complete an MSc at McGill University and returned to obtain a PhD in Zoology at the University of Alberta. He is Chief of the Paleobiology Division of the National Museum of Natural Sciences in Ottawa . . . **John Ferguson** (Scheduled Distribution) is retiring on 30 June after 16 years of service to the University. He will be honored by his co-workers at a luncheon that day in the Materials Management Building.

Extension's Fine Arts Program Merits Exhibition

The Faculty of Extension is drawing on the talents of a group of six to celebrate the history of its fine arts program.

Works by Extension "alumni" Ted Godwin, the late Frank Vervoort, Terry Keller, Hendrik Bres, Gisela Felsberg and Lasko Von Scheliha have been selected for showing in the Faculty's 75th Anniversary Exhibition.

Scheduled for 27 June to 11 July in Manulife Place (in conjunction with The Works), the show will pay tribute to the men and women of the Faculty of Extension who have concerned themselves with meeting the continuing art education needs of Albertans. Among the landmark

developments are the fine arts outreach program initiated in 1932 with the help of a \$30,000 Carnegie Corporation grant; the Banff School (1933), which later became the Banff School of Fine Arts; and the University's Department of Fine Arts complete with credit programming (1945).

The 75th Anniversary exhibit is described as "a tribute to the diversity and talents of the people who have had contact with the Fine Arts Program. The show itself is a reversal of the usual in that a decided landscape element dominates the abstract."

The exhibition officially opens on 27 June at 8:30 p.m. □

A Perfect Place for Pigs

The sun shone, flags flapped in the breeze, and several hundred happy hog producers were all smiles down on the (University) farm last week, at the opening of the new \$1.3 million sow swine building. The only thing missing was the contented "oink" of little piggies—it will be a few weeks before lucky first tenants are introduced to their splendid new quarters.

The unit was specially designed to be a complete and self-contained breeding and confinement centre. From the outside it looks like a small warehouse with extra large roof ventilators. Inside there's shining aluminum and sparkling white walls, with powerful built-in plumbing to keep odors down. The single building, 15,600 square feet, divided into four self-contained areas, will be able to accommodate 100 sows and their piglets. (The old unit—some of it 30 years old—was 6,000 square feet and could handle 45 sows.)

Dedicated to Robert Sinclair

Outdoors, in brilliant sunshine, Roy Berg (Agriculture and Forestry) dedicated the centre to the memory of Robert Sinclair, a member of the University's first graduating class in "swine production and sow science" and a former Dean of Agriculture; Roy Barrett, Chairman of the Alberta Pork Producers Marketing Board, handed it over to John Schlosser,



A dream comes true! Swine researchers get a great new centre.

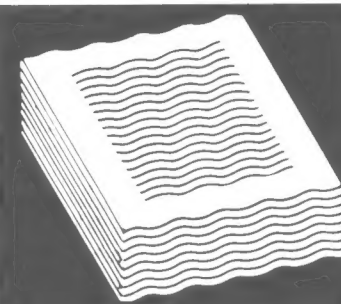
Chairman of the Board of Governors; and Myer Horowitz cut the ribbon, saying, "In spite of all your research, I doubt you'll ever be able to tell me that you've come up with a variety of pork that's kosher."

Funding for this teaching and research centre was contributed by the Alberta Pork Producers Marketing Board, Alberta

Advanced Education, the Advanced Education Endowment and Incentive Fund, private donors, and related businesses.

The annual Swine Feeders Day was also celebrated at the opening of the centre, with an *al fresco* luncheon, discussions on porcine research, and later in the afternoon, a barbecue and games. □

Currents



General Faculties Council

GFC's next meeting is scheduled for Monday, 22 June, at 9 a.m. in the University Hall Council Chamber.

1. Approval of the Agenda
2. Approval of the Minutes of 25 May 1987
3. Question Period
4. New Members of GFC 1987-88

Reports

5. Executive Committee Reports
- 5.1 Executive Committee Minutes of 5 June 1987
6. Report of the Board of Governors
7. Report of the Nominating Committee
8. Quota Admissions: Recommendations from the GFC Committee on Admissions and Transfer (CAT)
9. GFC Undergraduate Teaching Awards Committee (UTAC): Annual Report 1986-87
10. GFC Native Studies Committee: Annual Report 1987
11. GFC Campus Law Review Committee (CLRC): Composition and Quorum
12. Replenishment of GFC Nominating Committee: Staff Nominations
13. Employment Policies: Proposed Changes to Section 48 of the GFC Policy Manual
14. Other Business

For information concerning this agenda, members of the University community may telephone the Director of the University Secretariat (432-5430).

Retirement Reception for Joan Owen

Joan Owen will be retiring after 21 years with the University. The Office of Administrative Systems will hold a reception to honor her on Thursday, 16 July, from 4 to 6 p.m. at the Faculty Club. Friends and colleagues who would like to attend and/or contribute to a gift are asked to call Patti Cherwaty or Fern Ness at 432-4572 before 30 June.

Board of Governors

At its regular monthly meeting on Friday, 12 June, the Governors were informed about a number of information items recently approved by the Board Building Committee (BBC). Funding approval was given for expenditures of up to \$800,000 for construction of the Kurimoto Japanese Garden Gateway and related other work. BBC also gave approval in principle for the construction of the total Kurimoto Japanese Garden at a cost not to exceed \$2.4 million.

Other BBC news concerned the Arts Building restoration. It was reported that work is on schedule despite there having been a number of problems (the floors and roof were in worse shape than earlier testing had indicated). Completion

of the project is slated for the late fall of 1987. The trailers housing the departments which make up the Faculty of Arts Building will be moved to Corbett Hall to accommodate Rehabilitation Medicine students while the trailers located east of the Chemistry Building will stay there.

It was noted that work is virtually complete on the Earth Sciences Building and staff are moving back in; the restoration of HUB is continuing and the project is within budget; work on the Heritage Medical Research Building is on time and on budget.

The Finance Committee reported to the Governors that its May meeting was devoted to studying the six-year review of the Endowment Fund for the Future.

Following the meeting, the Board visited the University Farm for the official opening of the Swine Teaching and Research Centre. □

Department of Athletics Forced to Jettison Three Sports

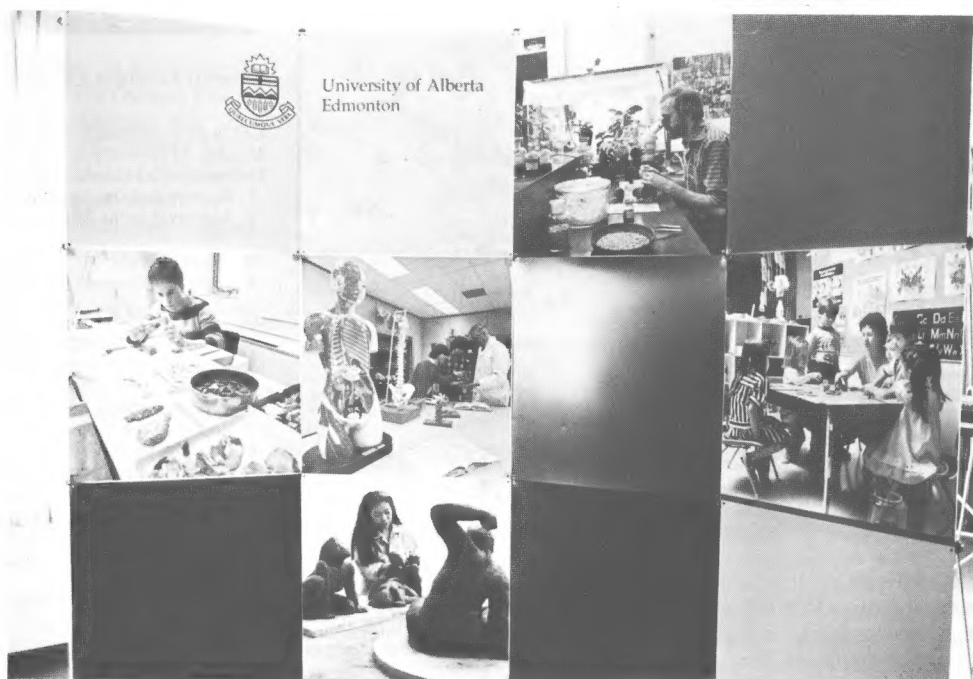
News release number 42 (8 June) from the Department of Athletics came out punching—below the belt. "It is with great regret that the Department of Athletics informs you that effective immediately, the University of Alberta, will no longer participate in the Canada West Universities Athletic Association (CWUAA) and the Canadian Interuniversity Athletic Union

(CIAU) in the following sports: cross-country (men's and women's), diving (men's and women's), track and field (men's and women's)."

Alterations in the CIAU travel equalization program, decreases in the department's base budget and continuously increasing program costs, for example, air travel, conspired to bring about the decision. □

Display Unit at Your Service

The display unit pictured here has been purchased by the Office of Public Affairs (whose Shirley Phillips demonstrates that the unit can be transported rather handily). The lightweight (23 pounds) frame is 116 inches wide and 93 1/2 inches high and its assembly is a veritable snap. There is room for 12 panels; Public Affairs has a number of color panels as well as some blank ones. A good mix of campus exterior photographs is on order which means that users can go the mix 'n' match route. The display unit is available to any Faculty or department (the appropriate identification can be screened onto a panel) on a rental basis. For further information, or to reserve the unit, telephone Public Affairs, 432-2325.



Folio

Display Advertising

Folio is the official news publication of the University of Alberta, published every Thursday throughout the year (except for July and August when it appears bi-weekly). It has a regular distribution of 9,000 of which 7,800 copies are circulated to teaching and support staff, to graduate students and to other interested people on campus. The remaining copies are sent to provincial and municipal government personnel, news outlets, and businesses and people off-campus.

Sizes and rates

The basic unit size is 27 agate lines x 23 picas (3 7/8" x 2"). The full page is divided into 10 such units, any combination of which is available at a cost of \$35 per unit (minimum 1 unit). Half page cost: \$175. One column cost \$87.50. There is a 15% discount for University departments. A 10% discount is offered for five or more consecutive insertions.

Other specifications

Half-tones (100-line screen or less) are acceptable; no color or bleeds. Camera-ready copy is necessary; there is a charge of 30c per word for typesetting, and \$7.50 for adjustment of design work.

Deadlines

Deadline for submission is 3 p.m. one week in advance of desired publication date. Acceptance of advertisements and positioning are at the discretion of the Editor. For more information, telephone (403) 432-2325 and ask about *Folio* display advertising, or write to: *Folio* Display Advertising Office of Public Affairs 423 Athabasca Hall University of Alberta Edmonton, Alberta T6G 2E8

Successful Final PhD Oral Examinations

Name	Department	Final Thesis Title
Leslie Barta	Chemistry	"Thermodynamic Investigations: 1. Thermodynamic Properties of Aqueous Aluminum Ion. 2. Kinetics and Energetics of Low Temperature Oxidation of Athabasca Bitumen"
Robert Gerald Haennel	Physical Education and Sport Studies	"The Cardiovascular Response of Post-Coronary Bypass Surgery Patients to Hydraulic Circuit Training"
Carol Marie Hauk	Elementary Education	"Towards an Understanding of Preservice Teachers' Perceptions of an Elementary Mathematics Curriculum and Instruction Course"
Heike Juergens	Educational Psychology	"Separation-Individuation Process of Adolescence"
Elizabeth Sarah Lythgoe	Animal Science	"Metabolic and Endocrinological Consequences of Nutritional Stress Imposed Over Successive Lactations in Primiparous and Multiparous Sows"
Shakir Hamid Nazzal	Mathematics	"On the Centrality of Certain Finitely Generated Soluble Groups"
Josphat Tichatonga Nhundu	Educational Administration	"Job Satisfaction of Teacher Interns and its Relationship to Self-Appraisals, Supervisor-Appraisals, Role Ambiguity and Selected Background Variables"
Stewart Richard Petersen	Physical Education and Sport Studies	"Functional Adaptations to Velocity—Specific Resistance Training"
James Rochlin	Political Science	"The Political Economy of Canadian Foreign Policy Towards Central America—1979-1986"
Niall Shanks	Philosophy	"Philosophical Implications of Bell's Theorem"

Research Possibilities Entice Chinese Philosopher

Ge Wei Ou Yang chose the University of Alberta to help advance his studies in Western philosophy.

"Here, interests are very broad," the 35-year-old assistant professor from Shanghai's Fudan University discovered when choosing a North American campus for his studies.

The University's Philosophy Department offers research possibilities second only in breadth to the much larger-staffed University of Toronto. Ou Yang's study area is contemporary European philosophers, and he's in Western Canada to develop "a scientific method" for handling problems encountered while writing his 1985 book, *Contemporary Philosophical Anthropology*.

He'll spend two years at the University, reading extensively in English, supporting himself on a teaching assistantship, and hoping eventually to complete a doctoral thesis here.

He's surprised to hear that Canadian philosophy graduates find jobs hard to come by. "In China, there is no such problem. Philosophy students become party officials, cadres, teachers," he says. China has always been interested in the "structural connections between philosophy and politics."

Married with no children, Ou Yang's wife teaches English at Shanghai Maritime University. The prospect of being separated for several years causes him concern. "This is a very important problem,"

he says. "Especially for international students."*

*Reprinted from Q and A, published by the University's Office of Public Affairs.

Talks

The MRC Group in Protein Structure and Function

18 June, 1:15 p.m. S.L. Patt, Varian Instrument Division, Varian Associates, "Frontiers of NMR Instrumentation." 2-27 Medical Sciences Building.
18 June, 2 p.m. F.W. Dahlquist, Institute of Molecular Biology, University of Oregon, "The Stability, Folding and Dynamics of T4 Lysozyme: A Mutational Analysis Using NMR." 2-27 Medical Sciences Building.
18 June, 2:45 p.m. M.A. Weiss, Harvard University, "Two Dimensional NMR Studies of Genetically Altered Proteins." 2-27 Medical Sciences Building.
18 June, 3:30 to 5 p.m. Lab Open House. 4-19 Medical Sciences Building.

Pharmacy and Pharmaceutical Sciences

6 July, 10 a.m. Akio Sato, Professor of Environmental Health, Medical University of Yamanashi, Japan, "Pharmacokinetics of Organic Solvent Vapors in Relation to Their Toxicity." 2031 Dentistry/Pharmacy Centre.

The Arts Exhibitions

Ring House Gallery

Until 5 July. "Richard Purdy—Corpus Cristi: Natural Selection—Two Anthrospheres."

International Student Centre

For further information on the programs listed below, telephone 432-5950.
19 June, 8 p.m. Film Night - HUB.
26 June, 8 p.m. Film Night - HUB.
26 to 29 June. Rocky Mountain Camping Trip.

SUB Theatre

19 to 27 June. Ensemble for Lyrical Operetta Productions, Edmonton presents "Desert Song." Tickets available at BASS. Information: 431-8091.

Positions

The University of Alberta is committed to the principle of equal opportunity in employment and encourages applications from all qualified people.

In accordance with Canadian Immigration requirements, these advertisements are directed to Canadian citizens and permanent residents.

Support Staff

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 432-5201. Due to publication lead time and the fact that positions are filled on an on-going basis, these vacancies cannot be guaranteed beyond 12 June. For a more up-to-date listing, please consult the weekly Employment Opportunities Bulletin and/or the postings in PSSR.

Public Relations/Publications Clerk I (Trust, Term to 30 September 1987), Publication Services, Faculty of Education, (\$1,226-\$1,522)
Secretary, Department of English, (\$1,522-\$1,945)
Secretary, Genetics, (\$1,522-\$1,945)
Medical Steno, Department of Medicine, (\$1,522-\$1,945)
Administrative Clerk (Term - 2 July-31 December), Music, (\$1,522-\$1,945)
Administrative Clerk (Residence Co-ordinator), Housing and Food Services, (\$1,522-\$1,945)
Payroll Clerk, Office of the Comptroller, (\$1,522-\$1,945)
Accounts Clerk, Office of the Comptroller, (\$1,522-\$1,945)
Accounting Assistant (Term to 31 March 1988), Office of the Comptroller, (\$1,945-\$2,510)
Housing Worker, Housing and Food Services, (\$1,226-\$1,522)
Storeman I, Art and Design, (\$1,272-\$1,580)
Storeman II, Art and Design, (\$1,468-\$1,864)
Technician I (Trust) (Full- or part-time), Psychiatry, (\$1,580-\$2,027) (pro-rated)
Distribution Clerk, Materials Management, (\$1,580-\$2,027)
Surgical Technician II (Trust), Department of Medicine, (\$1,791-\$2,304)
Administrative Assistant I, Physical Education and Sport Studies, (\$1,945-\$2,510)
Administrative Assistant I, University Archives and Collections, (\$1,945-\$2,510)
Technologist I/III (Trust), Pediatrics, (\$1,945-\$2,992)
Technologist II (Trust), Pathology (\$2,115-\$2,741)
Accounting Supervisor, Office of the Comptroller, (\$2,115-\$2,741)
X-Ray Technician IV, Stomatology, (\$2,208-\$2,861)
Dental Technician III, Restorative Dentistry, (\$2,208-\$2,861)
Programmer Analyst II (Trust), Applied Sciences in Medicine, (\$2,304-\$2,992)
Dental Technician IV, Stomatology, (\$2,510-\$3,271)
Programmer Analyst III (Term), Rehabilitation Medicine, (\$2,741-\$3,579)
For vacant Library positions, telephone 432-3339.

Advertisements

Accommodations available

Sale - University area, executive condominium. 11115 80 Ave. Price \$83,900. Phone 439-9547 after 4:30 p.m.

PACE Day Goes Over Big on Campus

Ok so Calgary and Hamilton followed by Edmonton on PACE Day (25 May). The big news in these parts is that the University of Alberta set the pace for the city. No agency in the Edmonton area had more people (2,343) active on PACE Day than did the University. The City Employee Group was a distant second with 1,778 participants.

Judy Pollari, Campus Recreation PACE Coordinator, remained at her post, the Campus Recreation Hotline, until late in the evening to handle the flood of calls reporting individual activities. Among the unusual were a unicyclist, a pianist with a penchant for the music of Rachmaninoff, and two hardy souls who fought continuously for 30 minutes.

In other Fit Canada Week events, President Horowitz demonstrated his fitness by leading more than 125 enthusiastic walkers through a 12-minute walk test. When it was over, he promptly did it again in order to record his minimum mileage.

As in other years, sartorial honors were captured by the Bookstore's contingent. In particular, the hats designed to reduce drag and the "lids with a lift" sported by Bill Quick and Jim Malone caused heads to turn.

Certificates for people walking the 12-minute test have been distributed although some remain to be picked up at the Campus Fitness and Lifestyle Office (W-90 Van Vliet Physical Education and Recreation Centre).□

Correction

ChembioMed's president was wrongly named in last week's *Folio*. Our apologies to Dr. Hal Hutchings.□

Registration Video Produced

A 17-minute video on the use of the Telephone Registration System has been produced and distributed to high schools in Alberta, British Columbia and Saskatchewan. The production was funded through the generosity of the Alma Mater Fund and produced by Television Services of the Department of Technical Services, University of Alberta.

The show is recorded on half inch VHS cassette.

Any department wishing to view the tape may obtain a copy, on loan, by calling Joyce Nelson (432-3544) and it will be sent through campus mail.*□

*Reprinted from Rumor, Issue No. 29, June 1987.

Rent - Partially furnished, three-bedroom house, six appliances, double garage, excellent residential area, close to schools. \$700/month plus utilities. Available 1 September 1987-31 July 1988. Non-smokers only. 437-1097.

Rent - Sunny loft apartment in river valley, close to parks, downtown and University. One bedroom with den. Available immediately, \$325 per month. 425-9817.

Sale - Revenue-generating, river valley home. Walking distance University, Legislature, downtown. Many features including self-contained loft apartment. 425-9817.

Rent - Four-bedroom, split-level, fully furnished in Greenfield. Available August 1987, for approximately a year, dates negotiable. \$750 per month. 435-2855 or 432-3971 (campus).

Sale - Pleasantview. Updated bungalow in park-like setting. This tidy property includes developed basement, cedar deck, dishwasher, fireplace. To view, call owner agent, (days) 486-1924, (evenings) 437-2571.

Sale - Nature's backyard is yours, 1,600' log home with loft, hot tub, beautifully treed. Buildings and fenced for horses, 39 acres. Priced \$109,800. Vendor transferred, must sell. Call Willes Realty, 433-9406.

Sale - Move to uncompromising life-style in renowned, residential area of Old Glenora. Vendor transferred, must sell solid brick bungalow. Redecorated, many new features. \$152,500. Call Willes Realty, 433-9406.

Rent - Bonnie Doon, very bright, one bedroom, basement, four appliances. \$275 plus utilities. 1 July. 465-2632.

For rent - Fully furnished, one-bedroom apartment for July and August 1987. Call E. Down, 433-8470 (evenings). #902 11111 87 Ave. Close proximity to the University. \$500 per month.

Sale - Garneau, charming, two-bedroom bungalow. Renovated, original features. Self-contained, basement suite. \$91,000. 433-8724.

Rent - Ermineskin, furnished bungalow. Three bedrooms, 1 1/2 baths, double garage. Fifteen minutes University. Available January 1988 or earlier to August 1988. References. \$750/month. 436-9591.

For sale - University area condominium. 11115 80 Ave. \$83,500. 439-8651.

Sale - Three-bedroom bungalow, finished basement, two bathrooms on three, treed acres. Six miles S.E. of Edmonton, near Fultonvale School. \$67,000. Owner will carry. 433-8825.

Sale - Nicely decorated (refinished hardwood floors) 1,205 sq. ft., semi. Good sized lot. Parkallen (66 Ave. 110 St.). \$81,900. 436-5222.

Rent - Beautiful log house, Windsor Park, one to two years. 8731 Saskatchewan Drive. Three bedrooms, den, screened porch, magnificent view. 433-8201 (res.), 973-3341 (bus.).

Asking \$1,400 per month.

For rent - Riverdale Hall. Great for dances, picnics, social events. Call Debbie, 426-6528.

Sale - Jewel, Parkallen. Upgraded bungalow. Spacious, modern kitchen. Appealing recreation room. Fresh air fireplace. Double garage. \$88,500. Call Joyce Byrne, 435-6064, 436-5250. Spencer Realtor.

Sale - North Windsor Park, 1 1/2-storey home. Hardwood floors. Enjoyable west yard. Excellent University location. Chris Tenove, 433-5664, 436-5250. Spencer Realtor.

Sale - Lakefront Wabamun. North shore. Four-bedroom cottage. Good location. Chris Tenove, 433-5664, 436-5250. Spencer Realtor.

Sale - \$38,500. University area. Immaculate, attractive, two-bedroom condominium. Chris Tenove, 433-5664, 436-5250. Spencer Realtor.

Sale - Miquelon. Lakefront lots, \$6,000, five choices. Chris Tenove, 433-5664, 436-5250. Spencer Realtor.

Sale - Perfect hideaway. Not in subdivision. 1,600' bungalow on four acres. Lovely setting. Horse lovers? Chris Tenove, 433-5664, 436-5250. Spencer Realtor.

Sale - City residential lots. \$39,750-\$69,500. Chris Tenove, 433-5664, 436-5250. Spencer Realtor.

Sale - Glenora. Semi-bungalow. Hardwood floors, only \$71,900. Chris Tenove, 433-5664, 436-5250. Spencer Realtor.

Sale - Petrolia. Immaculate, attractive bungalow. Fireplace, large double garage. West yard. Chris Tenove, 433-5664, 436-5250. Spencer Realtor.

Sale - Deluxe condominiums. Multi-level styling, vaulted ceilings, fireplaces, underground parking. Two- and three-bedroom units available. Asking \$77,900-\$86,900. 11016 86 Ave. Phone Joy E. Murray, NRS Realty Centre, 438-6111.

Sublet - Fully furnished, large two-bedroom apartment, luxury highrise, walking distance University, all amenities. Available 1 August 1987-1 July 1988. 432-2151 (bus.), 433-1392 (res.).

Rent - Grandview, University campus, four bedrooms, all appliances, 1 604 327-7613 evenings or 436-3025.

Accommodations wanted

Rent or sublet - Writer-in-residence, non-smoker, small furnished apartment/house, close to campus, September-April. L. Gom, Kwantlen College, Box 9030, Surrey, B.C. V3T 5H8.

Responsible family of four seek three-bedroom, unfurnished house. Non-smokers, no pets. 15 June, good references. Western Relocation, 438-1044.

Do you wish to rent your house to a most reliable tenant? Please phone

W.R. Kaufman, 432-2538 (University), 433-9872 (home).

Visiting faculty, family of four plus small dog. Mid-July to mid-January. 439-2492.

Mature student and two sons looking for accommodation, month of July. Non-smoker, references. Adrianna, Edmonton House, Rm. 605, 424-5555.

Automobiles and others

1986 SAAB 900S. White, all options. \$21,000. 432-9197.

1976 Cordoba, p.s., p.b., air, cruise, sun roof, 62,500 miles. \$2,200 or best offer. 476-7339.

Reliable 1979 Olds Cutlass Salon. 70,000 miles. Very good condition. \$2,200. 437-4815, 432-4435. Must sell.

Goods for sale

Cash paid for appliances, 432-0272.

IBM Correcting Selectric III. 96 character keyboard, 14" carriage. Cuisinart Food Processor. Realistic AM/FM stereo, 8 track and cassette recorder, and turntable. Sewing machine cabinet. Excellent condition. 481-1979 evenings.

It's time for a visit to our new store. More space, more books, and only a few minutes from campus. The Edmonton Book Store, 8530 109 Street. 433-1781.

Moving east, garage sale, plus antiques and collectables. 27 and 28 June. 5104 Ada Boulevard.

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